

**EXPRESS MAIL LABEL NO.: EL932820236US**

**DATE OF DEPOSIT: FEBUARY 28, 2002**

**Attorney Docket No.: 4231/2002**

**COMPOSITIONS AND METHODS RELATING TO OSTEOARTHRITIS**

**Abstract**

5           The invention provides for nucleic acid sequences that are expressed in chondrocytes  
from any of the following developmental and disease stages: fetal, normal, mild osteoarthritic,  
moderate osteoarthritic, marked and osteoarthritic. The invention also relates to arrays and  
compositions comprising any combination of these nucleic acid sequences. The invention also  
provides for methods of using the arrays of the invention to diagnose osteoarthritis. The  
10 invention also provides for methods of identifying therapeutic agents that alter the level of  
expression of the nucleic acids of the invention or alter the anabolic level of a chondrocyte.